

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:05
L2	0	probe near5 (transmitter and receiver) near5 "propagation time" near5 stor\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:14
L3	2	"7039530".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:35
L4	2	"5457994".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:40
L5	355	(storing or recording) same ("propagation time" or time or velocity) same defect near3 location	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:54
L6	9	(storing or recording) same ("propagation time" or time or velocity) same defect near3 location near5 (pipeline or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 10:54
L7	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L8	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L9	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L10	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L11	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L12	2	L8 and L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L13	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L14	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L15	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:07

L16	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L17	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L18	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:07
L19	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L20	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L21	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L22	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L23	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L24	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L25	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L26	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L27	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L28	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L29	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L30	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L31	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:07
L32	0	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L33	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L34	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L35	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L36	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L37	0	phased adj2 array near2 transducer same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L38	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L39	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L40	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L41	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L42	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L43	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L44	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L45	2	L41 and L44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L46	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L47	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L48	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:07
L49	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L50	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L51	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:07
L52	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L53	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L54	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L55	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L56	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L57	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L58	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L59	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L60	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L61	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L62	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L63	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L64	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:07



L65	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L66	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L67	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L68	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L69	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L70	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L71	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L72	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L73	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L74	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L75	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L76	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L77	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L78	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L79	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L80	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L81	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L82	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L83	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L84	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L85	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L86	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L87	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L88	2	"4342063".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L89	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L90	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L91	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L92	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L93	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L94	2	L90 and L93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L95	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L96	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L97	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:07
L98	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L99	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L100	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:07
L101	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L102	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L103	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L104	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L105	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L106	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L107	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L108	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L109	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L110	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L111	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L112	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L113	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:07

L114	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L115	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L116	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L117	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L118	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L119	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L120	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L121	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L122	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L123	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L124	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L125	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L126	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L127	2	L123 and L126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L128	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07



L129	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L130	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:07
L131	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L132	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L133	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:07
L134	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L135	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L136	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L137	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L138	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L139	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L140	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L141	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L142	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L143	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L144	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L145	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L146	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:07

L147	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L148	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L149	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L150	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L151	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L152	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L153	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L154	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L155	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L156	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L157	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L158	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L159	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L160	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L161	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L162	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L163	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L164	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L165	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L166	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L167	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L168	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L169	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L170	1	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L171	49	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L172	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L173	1	(summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L174	44	(summ\$4 or add\$4) near5 (addi\$5 or summ\$4) near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L175	1	"phase locked addition" same defect near3 locat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L176	2	"phase locked addition" same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L177	297	phase near3 addition same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L178	4	phase near3 addition same defect near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L179	881	time near3 amplitude near5 correct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L180	3	(defect or fault or flaw) near5 time near3 amplitude near5 correct \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L181	31	locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L182	3	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude near5 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L183	5	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L184	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L185	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L186	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L187	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L188	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L189	2	L185 and L188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L190	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L191	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L192	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:07
L193	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07



L194	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L195	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:07
L196	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:07
L197	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L198	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L199	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L200	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L201	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L202	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L203	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L204	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L205	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L206	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L207	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L208	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:07
L209	0	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07

L210	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L211	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L212	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L213	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:07
L214	0	phased adj2 array near2 transducer same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L215	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L216	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L217	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L218	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L219	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L220	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L221	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L222	2	L218 and L221	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L223	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L224	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L225	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:08
L226	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L227	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L228	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:08
L229	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L230	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L231	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L232	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L233	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L234	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L235	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L236	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L237	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L238	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L239	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L240	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L241	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:08

L242	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L243	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L244	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L245	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L246	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L247	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L248	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L249	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L250	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L251	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L252	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L253	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L254	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L255	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L256	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08



L257	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L258	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L259	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L260	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L261	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L262	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L263	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L264	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L265	2	"4342063".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L266	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L267	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L268	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L269	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L270	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L271	2	L267 and L270	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L272	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L273	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L274	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:08
L275	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L276	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L277	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:08
L278	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L279	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L280	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L281	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L282	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L283	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L284	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L285	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L286	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L287	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L288	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L289	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L290	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:08

L291	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L292	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L293	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L294	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L295	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L296	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L297	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L298	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L299	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L300	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L301	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L302	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L303	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L304	2	L300 and L303	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L305	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L306	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L307	0	("7305885").URPN.	USPAT	OR	ON	2009/04/27 11:08
L308	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L309	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L310	0	("6023660").URPN.	USPAT	OR	ON	2009/04/27 11:08
L311	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/27 11:08
L312	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L313	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L314	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L315	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L316	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L317	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L318	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L319	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L320	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L321	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L322	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L323	5	("4342063").URPN.	USPAT	OR	ON	2009/04/27 11:08



L324	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L325	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L326	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L327	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L328	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L329	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L330	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L331	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L332	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L333	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L334	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L335	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L336	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L337	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L338	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L339	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L340	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L341	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L342	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L343	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L344	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L345	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L346	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L347	1	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L348	49	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L349	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L350	1	(summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L351	44	(summ\$4 or add\$4) near5 (addi\$5 or summ\$4) near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L352	1	"phase locked addition" same defect near3 locat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L353	2	"phase locked addition" same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L354	297	phase near3 addition same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08

L355	4	phase near3 addition same defect near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L356	881	time near3 amplitude near5 correct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L357	3	(defect or fault or flaw) near5 time near3 amplitude near5 correct \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L358	31	locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L359	3	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude near5 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
L360	5	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/27 11:08
S1	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:28
S2	1612	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:30

S3	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:31
S4	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:31
S5	167	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:32
S6	2	S2 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:32
S7	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:34
S8	6	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:34
S9	0	("7305885").URPN.	USPAT	OR	ON	2008/07/10 21:39
S10	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/10 21:39

S11	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/10 21:47
S12	0	("6023660").URPN.	USPAT	OR	ON	2008/07/10 21:47
S13	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/10 21:47
S14	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/19 20:09
S15	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/19 20:52
S16	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:02
S17	14	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:02
S18	77764	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:20
S19	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:21

S20	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:21
S21	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:21
S22	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:21
S23	1111	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:31
S24	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:33
S25	5	("4342063").URPN.	USPAT	OR	ON	2008/07/20 16:36
S26	0	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:38



S27	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:39
S28	15	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:39
S29	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 16:48
S30	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:43
S31	0	phased adj2 array near2 transducer same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:44
S32	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:44
S33	5	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:44

S34	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S35	1614	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S36	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S37	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S38	167	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S39	2	S35 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S40	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S41	6	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58

S42	0	("7305885").URPN.	USPAT	OR	ON	2008/07/20 17:58
S43	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/20 17:58
S44	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S45	0	("6023660").URPN.	USPAT	OR	ON	2008/07/20 17:58
S46	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/20 17:58
S47	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S48	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S49	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S50	14	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58

S51	77764	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S52	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S53	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S54	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S55	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S56	1111	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S57	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S58	5	("4342063").URPN.	USPAT	OR	ON	2008/07/20 17:58

S59	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S60	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S61	15	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S62	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S63	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S64	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S65	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58

S66	5	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/20 17:58
S67	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:08
S68	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:09
S69	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:09
S70	156	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:09
S71	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:17
S72	1	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:19
S73	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:20

S74	49667	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:36
S75	22	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:36
S76	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:42
S77	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:46
S78	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 19:50
S79	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 20:21
S80	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 20:22
S81	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 20:22

S82	2	"4342063".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 11:30
S83	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S84	1630	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S85	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S86	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S87	168	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S88	2	S84 and S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S89	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28



S90	6	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S91	0	("7305885").URPN.	USPAT	OR	ON	2008/09/02 12:28
S92	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/02 12:28
S93	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S94	0	("6023660").URPN.	USPAT	OR	ON	2008/09/02 12:28
S95	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/02 12:28
S96	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S97	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S98	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S99	14	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S100	78724	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S101	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S102	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S103	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S104	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S105	1129	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S106	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S107	5	("4342063").URPN.	USPAT	OR	ON	2008/09/02 12:28

S108	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S109	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S110	15	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S111	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S112	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S113	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S114	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S115	5	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S116	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S117	1630	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S118	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S119	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S120	168	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S121	2	S117 and S120	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S122	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S123	6	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S124	0	("7305885").URPN.	USPAT	OR	ON	2008/09/02 12:28
S125	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/02 12:28
S126	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S127	0	("6023660").URPN.	USPAT	OR	ON	2008/09/02 12:28
S128	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/02 12:28
S129	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S130	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S131	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S132	14	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S133	78724	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S134	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S135	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S136	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S137	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S138	1129	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S139	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S140	5	("4342063").URPN.	USPAT	OR	ON	2008/09/02 12:28

S141	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S142	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S143	15	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S144	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S145	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S146	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S147	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S148	5	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S149	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S150	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S151	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S152	156	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S153	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S154	1	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S155	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28



S156	49768	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S157	22	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S158	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S159	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S160	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S161	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S162	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28
S163	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/02 12:28

S164	1	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 17:39
S165	48	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 17:40
S166	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 17:49
S167	1	(summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 20:42
S168	42	(summ\$4 or add\$4) near5 (addi\$5 or summ\$4) near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:28
S169	1	"phase locked addition" same defect near3 locat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:32
S170	2	"phase locked addition" same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:32
S171	279	phase near3 addition same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:33

S172	3	phase near3 addition same defect near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:33
S173	841	time near3 amplitude near5 correct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:41
S174	3	(defect or fault or flaw) near5 time near3 amplitude near5 correct \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:41
S175	30	locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 21:43
S176	3	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude near5 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 22:04
S177	5	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/03 22:04
S178	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S179	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S180	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S181	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S182	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S183	2	S179 and S182	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S184	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S185	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S186	0	("7305885").URPN.	USPAT	OR	ON	2009/04/26 19:20
S187	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20

S188	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S189	0	("6023660").URPN.	USPAT	OR	ON	2009/04/26 19:20
S190	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S191	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S192	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S193	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S194	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S195	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S196	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S197	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S198	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S199	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S200	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S201	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S202	5	("4342063").URPN.	USPAT	OR	ON	2009/04/26 19:20
S203	0	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S204	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S205	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S206	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S207	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S208	0	phased adj2 array near2 transducer same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S209	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S210	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S211	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S212	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S213	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S214	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S215	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S216	2	S212 and S215	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S217	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S218	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20



S219	0	("7305885").URPN.	USPAT	OR	ON	2009/04/26 19:20
S220	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S221	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S222	0	("6023660").URPN.	USPAT	OR	ON	2009/04/26 19:20
S223	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S224	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S225	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S226	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S227	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S228	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S229	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S230	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S231	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S232	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S233	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S234	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S235	5	("4342063").URPN.	USPAT	OR	ON	2009/04/26 19:20

S236	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S237	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S238	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S239	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S240	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S241	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S242	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S243	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S244	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S245	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S246	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S247	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S248	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S249	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S250	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S251	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S252	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S253	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S254	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S255	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S256	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S257	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S258	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S259	2	"4342063".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S260	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S261	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S262	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S263	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S264	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S265	2	S261 and S264	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S266	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S267	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S268	0	("7305885").URPN.	USPAT	OR	ON	2009/04/26 19:20
S269	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S270	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S271	0	("6023660").URPN.	USPAT	OR	ON	2009/04/26 19:20
S272	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S273	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S274	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S275	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S276	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S277	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S278	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S279	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S280	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S281	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S282	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S283	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S284	5	("4342063").URPN.	USPAT	OR	ON	2009/04/26 19:20



S285	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S286	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S287	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S288	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S289	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S290	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S291	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S292	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S293	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S294	1740	phased adj2 array near2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S295	1	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S296	1	phased adj2 array near2 transducer same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S297	172	(acoustic\$4 or sonic\$4 or ultrasonic\$4 or sound \$4 or ultrasound\$4) same (defect or flaw or fault or void or damage or leak) near5 object same outer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S298	2	S294 and S297	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S299	0	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion) same (pipe or tube or contaner or vessel or tank)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S300	7	phased adj2 array near2 transducer near5 (defect or flaw or fault or void or debri or leak or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S301	0	("7305885").URPN.	USPAT	OR	ON	2009/04/26 19:20
S302	9	("20020065610"   "4174636"   "4180790"   "4974558"   "5119342"   "5520186"   "5522265"   "5617862"   "5804731").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S303	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S304	0	("6023660").URPN.	USPAT	OR	ON	2009/04/26 19:20
S305	8	("4165649"   "4452082"   "4655228"   "4706031"   "4787393"   "5029475"   "5347495"   "5351544").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 19:20
S306	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S307	2	array adj3 transducer near5 (contour or perimeter or outer or external) near5 (object or article or item) same (time or delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S308	1	phase-locked adj1 addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S309	15	phase adj3 locked with addition near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S310	84588	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S311	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperboa adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S312	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S313	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) near3 hyperbolae adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S314	0	( phase adj3 "locked addition" or (phase locked loop) or PLL) near5 (storage or memory) same hyperbola adj1 arc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S315	1213	(acoustic\$4 or ultrasonic \$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S316	4	(detect\$4 or locat\$4 or identify\$4) near5 (defect or flaw or fault damage) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S317	5	("4342063").URPN.	USPAT	OR	ON	2009/04/26 19:20

S318	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same (defect or flaw or damage or crack or fault) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S319	0	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) near5 phased adj2 array same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S320	16	(acoustic\$4 or ultrasonic\$4 or sound\$3 or ultrasound\$3 or supersonic\$4 or supersound\$3) same ("phase locked loop" or PLL) near5 (memory or storage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S321	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S322	0	phased adj2 array near2 transducer same (defect or fault) near4 amplitude adj2 peak	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S323	0	phased adj2 array near2 transducer same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S324	0	phased adj2 array same (defect or fault) near 5amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S325	6	phased adj2 array same (defect or fault) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S326	1	defect near3 location near5 "phase-locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S327	1	(defect or crack) near5 location near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S328	1	(defect or crack) near5 locat\$4 near5 "phase- locked addition"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S329	172	(defect or crack) near5 locat\$4 near5 phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S330	1	10/564737	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S331	2	11/489892	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S332	2	"4497210".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S333	51699	(static or vacuum) adj3 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S334	23	(static or vacuum) adj3 suction near3 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S335	2	"6789427".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S336	2	"4752895".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S337	2	"6789427".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S338	0	(phased adj1 array) near3 probe same outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S339	1	(phased adj1 array) near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S340	1	(phased or transducer) adj1 array near5 outer near3 (defect or flaw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

S341	1	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube) near5 (defect or crack or flaw or fault)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S342	49	(acoustic\$4 or ultrasonic\$4 or ultrasound\$3) near5 wave adj1 front same (pipe or sheet adj1 metal or tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S343	2	"6023660".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S344	1	(summer or adder) near5 addition near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S345	44	(summ\$4 or add\$4) near5 (addi\$5 or summ\$4) near5 amplitude near5 (memory or stor\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S346	1	"phase locked addition" same defect near3 locat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S347	2	"phase locked addition" same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S348	297	phase near3 addition same defect	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20



S349	4	phase near3 addition same defect near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S350	881	time near3 amplitude near5 correct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S351	3	(defect or fault or flaw) near5 time near3 amplitude near5 correct \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S352	31	locat\$4 near5 (defect or fault or flaw) near5 time near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S353	3	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude near5 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20
S354	5	phase-locked near5 (addition or summing or adding or subtract \$4) near5 amplitude	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/04/26 19:20

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